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MATERIAL SAFETY DATA SHEET

EMERGENCY ASSISTANCE - 24 hour

For emergency assistance involving chemicals call CHEMTREC (800) 424-9300.

SECTION 1: MATERIAL INFORMATION

Common Name: **GRAM IODINE, 50X**
 Synonyms: N/AP
 Catalog Number: R5812, R5814, R5835, R5836, R5837, R5838, R5840
 CAS #: N/AV
WARNING: POISON

SECTION 2: HAZARDOUS INGREDIENTS

<u>Hazardous Components</u>	<u>CAS #</u>	<u>Chemical Family</u>	<u>Molecular Formula</u>	<u>Approximate Concentration</u>
Iodine	7553-56-2	Halide	I ₂	16.7%
Potassium Iodide	7681-11-0	Inorganic Salt	KI	33.3%

SECTION 3: PHYSICAL DATA

Appearance:	Brown liquid	pH:	N/AV	Vapor Density:	N/AV
Boiling Point:	N/AV	Solubility in Water:	Appreciable	Flash Point:	N/AV
Melting Point:	N/AV	Vapor Pressure:	N/AV	Evaporation Rate:	N/AV
Odor:	Pungent	Specific Gravity:	N/AV		

SECTION 4: FIRE AND EXPLOSION HAZARD

Flammable: No

Flammable Limits:

Upper: N/AP Lower: N/AP

Extinguish Media:

Dry chemical powder

Special Hazards:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards:

Emits highly toxic fumes under fire conditions.

SECTION 5: REACTIVITY DATA

Stable: Unstable:

Conditions to Avoid:

Heat, sparks, open flame

Materials to Avoid:

() Water -

() Acids -

() Bases -

() Corrosives -

(X) Oxidizers -

(X) Other: Bromine Trifluoride, Chlorine Trifluoride, Fluorine Perchlorate, Magnesium, Zinc, Ammonia, Corrodes Steel

Hazardous Decomposition Products:

Toxic fumes

SECTION 6: HEALTH HAZARD DATA

To the best of our knowledge, the chemical, physical, and toxicological properties of this mixture have not been thoroughly investigated. Presented below are specific data on each of the subcomponent ingredients:

<u>Hazardous Component</u>	<u>%</u>	<u>Threshold Limit Value</u>	<u>TXDS</u>
			Iodine
Potassium Iodide	33.3	N/AV	

Effects of Overexposure (Acute and Chronic):

Harmful if swallowed, inhaled, or absorbed through skin. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.

Inhalation may be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath headache, nausea and vomiting. Exposure can cause: stomach pains, vomiting, diarrhea, damage to the eyes, and dermatitis.

Carcinogenicity: These products do not contain any carcinogens at 0.1% or greater.

First Aid Procedure:

Skin Contact: Flush with copious amounts of water, then wash with soap and water.

Eye Contact: Flush with copious amounts of water for 15 minutes.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration; if breathing is difficult, give oxygen; seek medical attention.

Ingestion: Do not induce vomiting, seek medical attention immediately.

In all cases of overexposure seek medical attention.

Wash contaminated clothing before reuse.

SECTION 7: SPILL OR LEAK PROCEDURES AND DISPOSAL

Steps to be taken if Material is Released or Spilled:

Evacuate and ventilate area. Using protective apparatus, take up with absorbent (preferably dry lime or soda ash). Wash spill site after material pickup is complete.

Waste Disposal Method:

Observe all local, provincial, state, and federal regulations.

SECTION 8: SPECIAL PROTECTION INFORMATION

Provide adequate general mechanical and local exhaust ventilation.

Avoid prolonged or repeated inhalation of vapor.

Protect eyes, skin, and clothing with safety goggles and gloves.

Wash thoroughly after handling.

SECTION 9: SPECIAL HANDLING AND STORAGE PRECAUTIONS

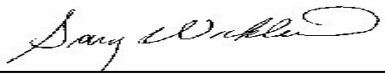
Keep container tightly closed. Protect against physical damage. Store in a cool, dry place.

SECTION 10: MSDS PREPARATION AND INFORMATION

Date Issued: 9/89

Current Revision: 3/05

Revised By: Gary Wicklund

Authorized Signature: 

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